

RECEIVED Page 1 of 4
OCT 05 2001 #880D
TECH CENTER 1600/2900 OIPE
12-6-01

1635
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/591,185

DATE: 08/13/2001
TIME: 10:28:58

Input Set : A:\-3-1.app
Output Set: N:\CRF3\08132001\I591185.raw

ENTERED

3 <110> APPLICANT: Cook, Ronald M.
4 Biosearch Technologies, Inc.
6 <120> TITLE OF INVENTION: Fluorescence Energy Transfer Probes With Stabilized
7 Conformations
9 <130> FILE REFERENCE: 019079-000310US
11 <140> CURRENT APPLICATION NUMBER: US 09/591,185
12 <141> CURRENT FILING DATE: 2000-06-08
14 <150> PRIOR APPLICATION NUMBER: US 60/138,376
15 <151> PRIOR FILING DATE: 1999-06-09
17 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 25
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence:"TaqMan" probe
29 <220> FEATURE:
30 <221> NAME/KEY: modified_base
31 <222> LOCATION: (1)
32 <223> OTHER INFORMATION: n = cytosine modified through a substituted or
33 unsubstituted alkyl or heteroalkyl linking group
34 by exemplary donor 5-carboxyfluorescein (FAM)
36 <220> FEATURE:
37 <221> NAME/KEY: modified_base
38 <222> LOCATION: (25)
39 <223> OTHER INFORMATION: n = thymine modified through a substituted or
40 unsubstituted alkyl or heteroalkyl linking group
41 by exemplary acceptor
42 N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)
44 <400> SEQUENCE: 1
45 *ngcaggatgg catggggag ggc* 25
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 25
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence:model
55 conformationally assisted probe (CAP)
57 <220> FEATURE:
58 <221> NAME/KEY: modified_base
59 <222> LOCATION: (1)
60 <223> OTHER INFORMATION: n = cytosine modified through a substituted or
61 unsubstituted alkyl or heteroalkyl linking group
62 by exemplary donor 5-carboxyfluorescein (FAM)
64 <220> FEATURE:
65 <221> NAME/KEY: modified_base

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66 <222> LOCATION: (2)
67 <223> OTHER INFORMATION: n = guanine modified through a substituted or
68 unsubstituted alkyl or heteroalkyl linking group
69 by exemplary stabilizing moiety cholesterol
70 derivative (CHOL)
72 <220> FEATURE:
73 <221> NAME/KEY: modified_base
74 <222> LOCATION: (24)
75 <223> OTHER INFORMATION: n = adenine modified through a substituted or
76 unsubstituted alkyl or heteroalkyl linking group
77 by exemplary stabilizing moiety cholesterol
78 derivative (CHOL)
80 <220> FEATURE:
81 <221> NAME/KEY: modified_base
82 <222> LOCATION: (25)
83 <223> OTHER INFORMATION: n = thymine modified through a substituted or
84 unsubstituted alkyl or heteroalkyl linking group
85 by exemplary acceptor
86 N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)
88 <400> SEQUENCE: 2
89 nncaggatgg catggggag ggcnn

25

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/591,185

DATE: 08/13/2001
TIME: 10:28:59

Input Set : A:\-3-1.app
Output Set: N:\CRF3\08132001\I591185.raw

L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2